SEQUENCE LISTING

```
<110> Donoho, Gregroy
      Hilbun, Erin
      Turner, Alex
      Friedrich, Glenn
      Zambrowicz, Brian
      Sands, Arthur T.
<120> Novel Human Kinase Protein and
  Polynucleotides Encoding the Same
<130> LEX-0119-USA
<150> US 60/176,690
<151> 2000-01-18
<160> 3
<170> FastSEQ for Windows Version 4.0
<210> 1
<211> 1269
<212> DNA
<213> Homo sapiens
<400> 1
atggaccatc ctagtaggga aaaggatgaa agacaacgga caactaaacc catggcacaa
                                                                        60
aggagtgcac actgctctcg accatctggc tcctcatcgt cctctggggt tcttatggtg
                                                                       120
ggacccaact tcagggttgg caagaagata ggatgtggga acttcggaga gctcagatta
                                                                       180
                                                                       240
ggtaaaaatc tctacaccaa tgaatatgta gcaatcaaac tggaaccaat aaaatcacgt
gctccacagc ttcatttaga gtacagattt tataaacagc ttggcagtgc aggtgaaggt
                                                                       300
ctcccacagg tgtattactt tggaccatgt gggaaatata atgccatggt gctggagctc
                                                                       360
cttggcccta gcttggagga cttgtttgac ctctgtgacc gaacatttac tttgaagacg
                                                                       420
gtgttaatga tagccatcca gctgctttct cgaatggaat acgtgcactc aaagaacctc
                                                                       480
atttaccgag atgtcaagcc agagaacttc ctgattggtc gacaaggcaa taagaaagag
                                                                       540
catgttatac acattataga ctttggactg gccaaggaat acattgaccc cgaaaccaaa
                                                                       600
aaacacatac cttataggga acacaaaagt ttaactggaa ctgcaagata tatgtctatc
                                                                       660
aacacgcatc ttggcaaaga gcaaagccgg agagatgatt tggaagccct aggccatatg
                                                                       720
ttcatgtatt tccttcgagg cagcctcccc tggcaaggac tcaaggctga cacattaaaa
                                                                       780
gagagatatc aaaaaattgg tgacaccaaa aggaatactc ccattgaagc tctctgtgag
                                                                       840
aactttccag aggagatggc aacctacctt cgatatgtca ggcgactgga cttctttgaa
                                                                       900
aaacctgatt atgagtattt acggaccctc ttcacagacc tctttgaaaa gaaaggctac
                                                                       960
acctttgact atgcctatga ttgggttggg agacctattc ctactccagt agggtcagtt
                                                                      1020
cacgtagatt ctggtgcatc tgcaataact cgagaaagcc acacacatag ggatcggcca
                                                                      1080
tcacaacagc agcctcttcg aaatcaggtg gttagctcaa ccaatggaga gctgaatgtt
                                                                      1140
gatgatecca egggagecca etecaatgea ecaateacag eteatgeega ggtggaggta
                                                                      1200
gtggaggaag ctaagtgctg ctgtttcttt aagaggaaaa ggaagaagac tgctcagcgc
                                                                      1260
cacaagtga
                                                                      1269
```

<210> 2

<211> 422

<212> PRT

<213> Homo sapiens

وهر و المسايين

<400> 2 Met Asp His Pro Ser Arg Glu Lys Asp Glu Arg Gln Arg Thr Thr Lys 10 Pro Met Ala Gln Arg Ser Ala His Cys Ser Arg Pro Ser Gly Ser Ser Ser Ser Ser Gly Val Leu Met Val Gly Pro Asn Phe Arg Val Gly Lys 40 Lys Ile Gly Cys Gly Asn Phe Gly Glu Leu Arg Leu Gly Lys Asn Leu 55 Tyr Thr Asn Glu Tyr Val Ala Ile Lys Leu Glu Pro Ile Lys Ser Arg 70 75 Ala Pro Gln Leu His Leu Glu Tyr Arg Phe Tyr Lys Gln Leu Gly Ser 85 90 Ala Gly Glu Gly Leu Pro Gln Val Tyr Tyr Phe Gly Pro Cys Gly Lys 105 Tyr Asn Ala Met Val Leu Glu Leu Gly Pro Ser Leu Glu Asp Leu 120 Phe Asp Leu Cys Asp Arg Thr Phe Thr Leu Lys Thr Val Leu Met Ile 135 140 Ala Ile Gln Leu Leu Ser Arg Met Glu Tyr Val His Ser Lys Asn Leu 150 155 Ile Tyr Arg Asp Val Lys Pro Glu Asn Phe Leu Ile Gly Arg Gln Gly 165 170 Asn Lys Lys Glu His Val Ile His Ile Ile Asp Phe Gly Leu Ala Lys 180 185 Glu Tyr Ile Asp Pro Glu Thr Lys Lys His Ile Pro Tyr Arg Glu His 200 205 Lys Ser Leu Thr Gly Thr Ala Arg Tyr Met Ser Ile Asn Thr His Leu 215 Gly Lys Glu Gln Ser Arg Arg Asp Leu Glu Ala Leu Gly His Met 235 230 Phe Met Tyr Phe Leu Arg Gly Ser Leu Pro Trp Gln Gly Leu Lys Ala 250 Asp Thr Leu Lys Glu Arg Tyr Gln Lys Ile Gly Asp Thr Lys Arg Asn 260 265 Thr Pro Ile Glu Ala Leu Cys Glu Asn Phe Pro Glu Glu Met Ala Thr 280 Tyr Leu Arg Tyr Val Arg Arg Leu Asp Phe Phe Glu Lys Pro Asp Tyr 295 300 Glu Tyr Leu Arg Thr Leu Phe Thr Asp Leu Phe Glu Lys Lys Gly Tyr 310 315 Thr Phe Asp Tyr Ala Tyr Asp Trp Val Gly Arg Pro Ile Pro Thr Pro 325 330 Val Gly Ser Val His Val Asp Ser Gly Ala Ser Ala Ile Thr Arg Glu 345 Ser His Thr His Arg Asp Arg Pro Ser Gln Gln Pro Leu Arg Asn 360 Gln Val Val Ser Ser Thr Asn Gly Glu Leu Asn Val Asp Asp Pro Thr 375 380 Gly Ala His Ser Asn Ala Pro Ile Thr Ala His Ala Glu Val Glu Val 390 395 Val Glu Glu Ala Lys Cys Cys Phe Phe Lys Arg Lys Arg Lys 405 410 Thr Ala Gln Arg His Lys 420

<210> 3

```
<211> 1968
<212> DNA
<213> Homo sapiens
<400> 3
atactgaagc tacttgctgt actataggag agctctgtcc tgtaggatca tggaccatcc
                                                                        60
tagtagggaa aaggatgaaa gacaacggac aactaaaccc atggcacaaa ggagtgcaca
                                                                       120
ctgctctcga ccatctggct cctcatcgtc ctctggggtt cttatggtgg gacccaactt
                                                                       180
cagggttggc aagaagatag gatgtgggaa cttcggagag ctcagattag gtaaaaatct
                                                                       240
ctacaccaat gaatatgtag caatcaaact ggaaccaata aaatcacgtg ctccacagct
                                                                       300
tcatttagag tacagatttt ataaacagct tggcagtgca ggtgaaggtc tcccacaggt
                                                                       360
gtattacttt ggaccatgtg ggaaatataa tgccatggtg ctggagctcc ttggccctag
                                                                       420
cttggaggac ttgtttgacc tctgtgaccg aacatttact ttgaagacgg tgttaatgat
                                                                       480
agccatccag ctgctttctc gaatggaata cgtgcactca aagaacctca tttaccgaga
                                                                       540
tgtcaagcca gagaacttcc tgattggtcg acaaggcaat aagaaagagc atgttataca
                                                                       600
cattatagac tttggactgg ccaaggaata cattgacccc gaaaccaaaa aacacatacc
                                                                       660
ttatagggaa cacaaaagtt taactggaac tgcaagatat atgtctatca acacgcatct
                                                                       720
tggcaaagag caaagccgga gagatgattt ggaagcccta ggccatatgt tcatgtattt
                                                                       780
ccttcgaggc agcctccct ggcaaggact caaggctgac acattaaaag agagatatca
                                                                       840
aaaaattggt gacaccaaaa ggaatactcc cattgaagct ctctgtgaga actttccaga
                                                                       900
ggagatggca acctaccttc gatatgtcag gcgactggac ttctttgaaa aacctgatta
                                                                       960
tgagtattta cggaccctct tcacagacct ctttgaaaag aaaggctaca cctttgacta
                                                                      1020
                                                                      1080
tgcctatgat tgggttggga gacctattcc tactccagta gggtcagttc acgtagattc
tggtgcatct gcaataactc gagaaagcca cacacatagg gatcggccat cacaacagca
                                                                      1140
gcctcttcga aatcaggtgg ttagctcaac caatggagag ctgaatgttg atgatcccac
                                                                      1200
                                                                      1260
gggagcccac tccaatgcac caatcacage tcatgccgag gtggaggtag tggaggaage
taagtgctgc tgtttcttta agaggaaaag gaagaagact gctcagcgcc acaagtgacc
                                                                      1320
agtgcctccc aggagtcctc aggccctggg gactctgact caattgtacc tgcagctcct
                                                                      1380
                                                                      1440
gccatttctc attggaaggg actcctcttt gggggagggt ggatatccaa accaaaaaga
                                                                      1500
agaaaacaga tgcccccaga aggggccagt gcgggcagcc agggcctagt gggtcattgg
ccatctccgc ctgcctaagg ctctgagcag gtcccagagc tgctgttcct ccactgcttg
                                                                      1560
cccatagggc tgcctggttg actctccttc ccattgttta cagtgaaggt gtcattcaca
                                                                      1620
aaaactcaag gactgctatt ctccttcttc cccttagttt actcctggtt tttaccccac
                                                                      1680
cctcaaccct ctccagcata aaacctagtg agctaaaggc tttgtctgca gaaggagatc
                                                                      1740
                                                                      1800
aagaggcttg ggggtaaggc caagaaggta ggaggaaaat ggcagacctg ggctggagaa
                                                                     1860
gaacettete egtateeeag gtgtgeetgg eagtatggtt teetetteet etgtgeetgt
gcagcattca tcccagctgg cccttggagt tcaggttcct tcttccctcc ctcctgtgaa
                                                                     1920
```

gttacactgt aggacacaag ctgtgagcaa tctgcagtct actggccc

1968